

IAW

A-9903  
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Lars Ivar SAMUELSON et al.

Appln. No.: 10/751,943

Group Art Unit: 2878

Filed: January 7, 2004

For: PROBE STRUCTURES INCORPORATING NANOWHISKERS,  
PRODUCTION METHODS THEREOF, AND METHODS OF FORMING  
NANOWHISKERS

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, and without any assertion as to materiality or prior art effect, the documents listed on the attached Form PTO-1449 are hereby cited.

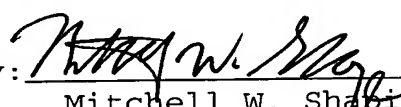
The Commissioner is hereby authorized to charge to Deposit Account No. 50-1165 any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required by this paper and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been requested separately, such extension is hereby requested.

Respectfully submitted,

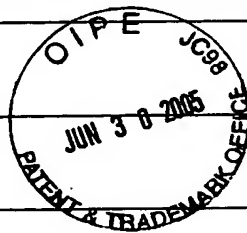
MWS:lmb

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June 30, 2005

<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>LIST OF DOCUMENTS CITED BY APPLICANT</b>		Atty. Docket No. <b>A-9903</b>	Appln. No. <b>10/751,943</b>
		Applicant <b>Lars Ivar SAMUELSON et al.</b>	
		Filing Date <b>January 7, 2004</b>	Group <b>2811</b>

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Examiner Initial	Document Number	Date	Name	Class	Sub-class	Filing Date
AA	2002/0172820	11/21/02	Majumdar et al.	428	357	
AB	2002/0129761	9/19/02	Takami	117	73	
AC	5,362,972	11/8/94	Yazawa et al	257	13	
AD	5,332,910	7/26/94	Haraguchi et al.	257	13	

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AE	WO 01/84238	11/8/01	WIPO			

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AF	Yasawa, M. et al, "Heteroepitaxial Ultrafine Wire-Like Growth of InAs on GaAs Substrates", <u>Appl. Phys. Lett.</u> , Vol. 58, No. 10, March 11, 1991, pp. 1080-1082.
AG	Haraguchi, K. et al., "GaAs p-n junction formed in quantum wire crystals", <u>Applied Physics Letters</u> , Vol. 60, No. 6, February 10, 1992, pp. 745-747
AH	Yazawa, M., et al., "Effect of one monolayer of surface gold atoms on the epitaxial growth of InAs nanowhiskers", <u>Applied Physics Letters</u> , Vol. 61, October 26, 1992, pp. 2051-2053.
AI	Yazawa, M., "Nanocolumns composed of GaAs-InAs jointed whiskers and SiO <sub>2</sub> covers", <u>Applied Physics Letters</u> , Vol. 65, August 29, 1994, pp. 1157-1158
AJ	Sato, T., "Site-controlled growth of nanowhiskers", <u>Applied Physics Letters</u> , Vol. 66, January 9, 1995, pp. 159-161.
AK	Hiruma, K., et al., "Growth and optical properties of nanometer-scale GaAs and InAs whiskers", <u>Applied Physics Review</u> , Vol. 77, January 15, 1995, pp. 447-462.
AL	Hiruma K., et al., "Growth and Characterization of Nanometer-Scale GaAs, AlGaAs and GaAs/InAs Wires", <u>IEICE Trans. Electron.</u> , Vol. E77-C, No. 9, September 1, 1994, pp. 1420-1425.
AM	Hiruma, K. et al., "GaAs free-standing quantum-size wires", <u>Journal of Applied Physics</u> , Vol. 74, September 1, 1993, pp. 3162-3171.
AN	Haraguchi, K., et al., "Polarization dependence of light emitted from GaAs p-n junctions in quantum wire crystals", <u>Journal of Applied Physics</u> , Vol. 75, April 15, 1994, pp. 4220-4225.
AO	Hiruma, K., et al., "Self-organized growth of GaAs/InAs heterostructure nanocylinders by organometallic vapor phase epitaxy", <u>Journal of Crystal Growth</u> , Vol. 163, January 1, 1996, pp. 226-231.
AP	Lieber, C., "Nanowires as Building Blocks for Nanoscale Science and Technology", <u>Abstracts of Papers of the Amer. Chem Soc.</u> , Vol. 224, August 18, 2002, pp. 033-Comp Part 1.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	BA	6,190,634	2/20/01	Lieber et al.	423	439	
	BB	6,159,742	12/12/00	Lieber et al.	436	164	
	BC	5,997,832	12/7/99	Lieber et al.	423	249	
	BD	5,840,435	11/24/98	Lieber et al.	428	689	
	BE	5,252,835	10/12/93	Lieber et al.	250	492.1	
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	BF	WO 02/080280	10/10/02	WIPO			
<b>OTHER</b> (including author, title, date, pertinent pages, etc.)							
	BG	Duan, X., et al., "Laser-Assisted Catalytic Growth of Single-Crystal Compound Semiconductor Nanowires", <u>Abstracts of Papers of the Amer. Chem. Soc.</u> , Vol. 219, March 26, 2000, pp. 676-Inor Part 1.					
	BH	Duan, X. et al., "Laser Assisted Catalytic Growth of Semiconductor Nanowires for Nanoscale Electronic Optoelectronic Device Application", <u>Abstracts of Papers of the Amer. Chem. Soc.</u> , Vol. 221, April 1, 2001, pp. 644-Inor Part 1.					
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	BK	Hu, J. et al., "Chemistry and Physics in One Dimension: Synthesis and Properties of Nanowires and Nanotubes", <u>Acc. Chem. Res.</u> , Vol. 32, No. 5, February 20, 1999, p. 435-445.					
	BL	Duan, X. et al., "General Synthesis of Compound Semiconductor Nanowires", <u>Advanced Materials</u> , Vol. 12, No. 4, January 1, 2000, pp. 298-302.					
	BM	Duan, X., et al., "Synthesis and optical properties of gallium arsenide nanowires", <u>Applied Physics Letters</u> , Vol. 76, No. 9, February 28, 2000, pp. 1116-1118.					
	BN	Cui, Y., et al., "Diameter-controlled synthesis of single-crystal silicon nanowires", <u>Applied Physics Letters</u> , Vol. 78, No. 15, April 9, 2001, pp. 2214-2216.					
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	CA	6,307,241	10/23/01	Awschalom et al.	257	421	
	CB	5,196,396	3/23/93	Lieber	505	1	
	CC	6,716,409	4/6/04	Hafner et al.	423	447	
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	CD	WO 03/005450	1/16/03	WIPO			
<b>OTHER</b> (including author, title, date, pertinent pages, etc.)							
	CE	Gudiksen M.S., et al., "Diameter-selective synthesis of semiconductor nanowires", <u>J. Am. Chem. Soc.</u> , Vol. 122, August 22, 2000, pp. 8801-8802.					
	CF	Gudiksen M., et al., "Size-Dependent Photoluminescence from Single Indium Phosphide Nanowires", <u>Journal of Physical Chemistry B</u> , Vol. 106, No. 16, March 30, 2002, pp. 4036-4039.					
	CG	Duan, X., et al., "Laser-Assisted Catalytic Growth of Single Crystal GaN Nanowires", <u>Journal of Amer. Chem. Soc.</u> , Vol. 122, NO. 1, December 18, 1999, pp. 188-189.					
	CH	Huang, Y., et al., "Gallium Nitride Nanowire Nanodevices", <u>Nano Letters</u> , Vol. 2, No. 2, January 11, 2002, pp. 81-82.					
	CI	Lieber C., "Nanowire Superlattices", <u>Nano Letters</u> , Vol. 2, No. 2, January 25, 2002, pp. 82-82.					
	CJ	Duan, X., et al., "Nonvolatile Memory and Programmable Logic from Molecule-Gated Nanowires", <u>Nano Letters</u> , Vol. 2, No. 5, May 1, 2002, pp. 487-490.					
	CK	Cui, Y., et al., "High Performance Silicon Nanowire Field Effect Transistors", <u>Nano Letters</u> , Vol. 3, No. 2, January 1, 2003, pp. 149-152.					
	CL	Zhong, Z., et al., "Synthesis of P-Type Gallium Nitride Nanowires for Electronic and Photonic Nanodevices", <u>Nano Letters</u> , Vol. 3, No. 3, February 20, 2003, pp. 343-346.					
	CM	Hu, J., et al., "Controlled Growth and Electrical Properties of Heterojunctions of Carbon Nanotubes and Silicon Nanowires", <u>Nature</u> , Vol. 399, May 6, 1999, pp. 48-51.					
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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	DA	6,743,408	6/1/04	Lieber et al.	423	447.1	
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	DB	WO 01/03208	1/11/01	WIPO			
<b>OTHER (including author, title, date, pertinent pages, etc.)</b>							
	DC	Duan, X., et al., "Indium phosphide nanowires as building blocks for nanoscale electronic and optoelectronic devices", <u>Nature</u> , Vol. 409, January 4, 2001, pp. 66-69.					
	DD	Gudiksen M., et al., "Growth of nanowire superlattice structures for nanoscale photonics and electronics", <u>Nature</u> , Vol. 415, February 7, 2002, pp. 617-620.					
	DE	Lauhon, L., et al., "Epitaxial Core-Shell and Core-Multishell Nanowire Heterostructures", <u>Nature</u> , Vol. 420, No. 6911, November 7, 2002, pp. 57-61.					
	DF	Duan, X., "Single-nanowire electrically driven lasers", <u>Nature</u> , Vol. 421, January 16, 2003, pp. 241-244.					
	DG	Lieber, C., "The incredible shrinking circuit", <u>Sci. Am.</u> , Vol. 285, September 1, 2001, pp. 58-64.					
	DH	Morales, A., et al., "A Laser Ablation Method for the Synthesis of Crystalline Semiconductor Nanowires", <u>Science</u> , Vol. 279, January 9, 1998, pp. 208-211.					
	DJ	Cui Y., et al., "Functional Nanoscale Electronic Devices Assembled Using Silicon Nanowire Building Blocks", <u>Science</u> , Vol. 291, February 2, 2001, pp. 851-853.					
	DK	Wang, J., et al., "Highly Polarized Photoluminescence and Photodetection from Single Indium Phosphide Nanowires", <u>Science</u> , Vol. 293, No. 5534, August 24, 2001, pp. 1455-1457.					
	DL	Cui Y., et al., "Nanowire nanosensors for highly sensitive and selective detection of biological and chemical species", <u>Science</u> , Vol. 293, August 17, 2001, pp. 1289-1292.					
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	EA	6,340,822	1/22/02	Brown et al.	257	25	
<b>FOREIGN PATENT DOCUMENTS</b>							
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	EB	WO 97/31139	8/28/97	WIPO			
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	EC	Huang, Y., et al., "Logic Gates and Computation from Assembled Nanowire Building Blocks", <u>Science</u> , Vol. 294, November 9, 2001, pp. 1313-1317.					
	ED	Cui, Y., et al., "Doping and Electrical Transport in Silicon Nanowires", <u>The Journal of Physical Chemistry B</u> , Vol. 104, No. 22, May 11, 2000, pp. 5213-5216.					
	EE	Gudiksen M., et al., "Synthetic Control of the Diameter and Length of Single Crystal Semiconductor Nanowires", <u>The Journal of Physical Chemistry B</u> , Vol. 105, April 18, 2001, pp. 4062-4064.					
	EF	Morales, A. et al., "Rational Synthesis of Silicon Nanowires", <u>INOR</u> , 651, January 1, 2001.					
	EG	Wong E., et al., "Nanobeam Mechanics: Elasticity, Strength, and Toughness of Nanorods and Nanotubes", <u>Science</u> , Vol. 277, September 26, 1997, pp. 1971-1975.					
	EH	Dai, H., et al., "Synthesis and Characterization of Carbide Nanorods", <u>Nature</u> , Vol. 375, June 29, 1995, pp. 769-772.					
	EI	Junno, T., et al., "Controlled manipulation of nanoparticles with an atomic force microscope", <u>Applied Physics Letters</u> , Vol. 66, June 26, 1995, pp. 3627-3629.					
	EJ	Zwiller, V., et al., "Single quantum dots emit single photons at a time: Antibunching experiment", <u>Applied Physics Letters</u> , Vol. 78, No. 17, April 23, 2001, pp. 2476-2478.					
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	FB	WO 95/02709	1/26/95	WIPO			
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	FC	Borgstrom, M., et al., "High peak-to-valley ratios observed in InAs/InP resonant tunneling quantum dot stacks", <u>Applied Physics Letters</u> , Vol. 78, No. 21, May 21, 2001, pp. 3232-3234.					
	FD	Thelander, et al., "Gold nanoparticle single-electron transistor with carbon nanotube leads", <u>Applied Physics Letters</u> , Vol. 79, No. 13, September 24, 2001, pp. 2106-2108.					
	FE	Ohlsson B.J, et al., "Size-, shape-, and position-controlled GaAs nano-whiskers", <u>Applied Physics Letters</u> , Vol. 79, No. 20, November 12, 2001, pp. 3335-3337.					
	FF	Bjork, M.T., et al., "One-dimensional heterostructures in semiconductor nanowhiskers", <u>Applied Physics Letters</u> , Vol. 80, No. 6, February 11, 2002, pp. 1058-1060.					
	FG	Persson, M.P. et al., "Electronic Structure of Nanometer-Scale GaAs Whiskers", <u>Applied Physics Letters</u> , Vol. 81, No. 7, August 12, 2002, pp. 1309-1311.					
	FH	Thelander, C., et al., "Single-Electron Transistors in Heterostructure Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 10, September 8, 2003, pp. 2052-2054.					
	FI	Panev, N., et al., "Sharp Exciton Emission From Single InAs Quantum Dots in GaAs Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 11, September 15, 2003, pp. 2238-2240.					
	FJ	Bjork, M.T., "Nanowire resonant tunnelling diodes", <u>Applied Physics Letters</u> , Vol. 81, No. 23, December 2, 2002, pp. 4458-4460.					
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	GD	Ohlsson, J., "Semiconductor Hetero- and Nanostructures", Doctoral Thesis, Lund Institute of Technology, Lund University, November 23, 2001.					
	GE	Thelander, C., "Quantum Devices from the Assembly of Zero-and One-Dimensional Building Blocks", Doctoral Thesis, Lund University, November 7, 2003.					
	GF	Ohlsson, B., et al., "Anisotropic GaAs island phase grown on flat GaP: A stranski-Krastanow-formed corrugated surface", <u>Journal of Applied Physics</u> , Vol. 89, No. 10, May 15, 2001, pp. 5726-5730.					
	GG	Magnusson, M., et al., "Gold nanoparticles: Production, reshaping, and thermal charging", <u>Journal of Nanoparticle Research</u> , Vol. 1, January 1, 1999, pp. 243-251.					
	GH	Samuelson, L., "Self-Forming Nanoscale Devices", <u>Materials Today</u> , October 22, 2003, pp. 22-31.					
	GI	Ohlsson, B., et al., "Fabrication and characterization of III-V nanowhiskers", <u>MSS10 Conference - Austria</u> , July 23-27, 2001.					
	GJ	Bjork, M.T., et al., "One-dimensional Steeplechase for Electrons Realized", <u>Nano Letters</u> , Vol. 2, No. 2, January 19, 2002, pp. 87-89.					
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	HB	WO 01/77726	10/18/01	WIPO			
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	HC	Martensson, T., et al., "Fabrication of Individually Seeded Nanowire Arrays by Vapour-Liquid-Solid Growth", <u>Nanotechnology</u> , No. 14, October 17, 2003, pp. 1255-1258.					
	HD	Burgess, D.S., "Nanowire Heterostructures Form Tunneling Diodes", <u>Photonics Spectra</u> , Vol. 37, No. 2, February 2003, pp. 3-5.					
	HE	Pettersson, H., et al., "Electrical and Optical Properties of Self-Assembled InAs Quantum Dots in InP Studied by Space-Charge Spectroscopy and Photoluminescence", <u>Phys. Rev. B</u> , Vol. 61, No. 7, February 15, 2000, pp. 4795-4800.					
	HF	Ohlsson, B.J., et al., "Growth and characterization of GaAs and InAs nano-whiskers and InAs/GaAs heterostructures", <u>Physica E</u> , No. 13, March 1, 2002, pp. 1126-1130.					
	HG	Samuelson, L., et al., "Tunnel-Induced Photon Emission in Semiconductors Using an STM", <u>Physica Scripta</u> , Vol. T42, January 1, 1992, pp. 149-152.					
	HH	Seifert, W. et al, "In-Situ Growth of Quantum Dot Structures by the Stranski-Krastanow Growth Mode", <u>Prog. Crys. Growth Charact.</u> , Vol. 33, January 1, 1996, pp. 423-471.					
	HI	Persson, M., "Tight-Binding Simulation of Nanocrystalline Particles and Whiskers", Tekn lic thesis, Lund University, August 1, 2002.					
	HJ	Bjork, M., "Semiconductor Nanowires and Devices", Tekn lic thesis, Lund University, November 1, 2002.					
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	IB						
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	IC	Murphy, C.J., et al., "Controlling the Aspect Ratio of Inorganic Nanorods and Nanowires", <u>Advanced Materials</u> , Vol. 14, No. 1, January 4, 2002, pp. 80-82.					
	ID	Wagner, R.S., et al., "Vapour-Liquid-Solid Mechanism of Single Crystal Growth", <u>Appl. Phys. Lett.</u> , Vol. 4, No. 5, March 1, 1964, pp. 89-90.					
	IE	Canham, L.T., "Silicon Quantum Wire Array Fabrication by Electrochemical and Chemical Dissolution of Wafers", <u>Appl. Phys. Lett.</u> , Vol. 57, September 3, 1990, pp. 1046-1048.					
	IF	Koga, T., et al., "Carrier Pocket Engineering Applied to Strained .....", <u>Appl. Phys. Lett.</u> , Vol. 75, October 18, 1999, pp. 2438-2440.					
	IG	Koga, T., et al., "Experimental Proof-of-Principle Investigation of Enhanced Z <sub>s</sub> T in (001) Oriented Si/Ge Superlattices", <u>Appl. Phys. Lett.</u> , Vol. 77, No. 10, September 4, 2000, pp. 1490-1492.					
	IH	Narihiro, M., et al., "Resonant tunneling of electrons via 20 nm scale InAs quantum dot and magnetotunneling spectroscopy of its electronic states", <u>Applied Physics Letters</u> , Vol. 70, No. 1, January 6, 1997, pp. 105-107.					
	II	Pan, Z., et al., "Conduction band offset and electron effective mass in GaInNAs/GaAs quantum-well structures with low nitrogen concentration", <u>Applied Physics Letters</u> , Vol. 78, No. 15, April 9, 2001, pp. 2217-2219.					
	IJ	Ferry, D.K., et al., "Transport in Nanostructures", <u>Cambridge University Press</u> , Hardcover, January 1, 1997, pp. 41-45.					
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	JC	Ferry, D.K., et al., "Transport in Nanostructures", <u>Cambridge University Press</u> , Hardcover, January 1, 1997, pp. 91-96.					
	JD	Givargizov, E., "Growth of Whiskers by the Vapor-Liquid-Solid Mechanism", <u>Current Topics in Material Science</u> , edited by E. Kaldis, Chapter 3, Vol. 1, January 1, 1978, pp. 79-145.					
	JE	Mullins, J., "News analysis: using unusable frequencies", <u>IEEE Spectrum</u> , Vol. 39, No. 7, July 1, 2002, pp. 22-23.					
	JF	Randall, J.N., et al., "Quantum Dot Devices", in Norman G. Einspruch and William R. Frensley, eds., <u>Heterostructures and Quantum Devices</u> (San Diego, CA: Academic Pres, Inc., 1994) Copyright 1994, p. 420.					
	JG	Markowitz, P.D., et al., "Phase Separation in Al <sub>0.5</sub> Ga <sub>0.5</sub> As Nanowhiskers Grown by the Solution-Liquid-Solid Mechanism", <u>J. Am. Chem. Soc.</u> , Vol. 123, April 18, 2001, pp. 4502-4511.					
	JH	Hickmott, T.W., et al., "Negative Charge, Barrier Heights, and the Conduction-Band Discontinuity in Al <sub>0.5</sub> Ga <sub>0.5</sub> As Capacitors", <u>J. Appl. Phys.</u> , Vol. 57, April 15, 1985, pp. 2844-2853.					
	JI	Mathews, J., et al., "Defects in Epitaxial Multilayers", <u>J. Cryst. Growth</u> , Vol. 27, January 1, 1974, pp. 118-125.					
	JJ	Kovtyukhova, N., et al., "Layer-by-Layer Assembly Rectifying Junctions in and on Metal Nanowires", <u>J. Phys. Chem. B.</u> , Vol. 105, August 14, 2001, pp. 8762-8769.					
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	KC	Sakaki, H., "Scattering Suppression and High-Mobility Effect of Size-Quantized Electrons in Ultrafine Semiconductor Wire Structures", <u>Japanese Journal of Applied Physics</u> , Vol. 19, No. 12, December 1, 1980, pp. L735-L738.					
	KD	Scheibel, H. et al., "Generation of Monodisperse Ag- and NaCl Aerosols With Particle Diameters Between 2 and 300 nm", <u>Journal of Aerosol Science</u> , Vol. 14, No. 2, January 1, 1983, pp. 113-126.					
	KE	Knutson, E. et al., "Aerosol Classification by Electric Mobility: Apparatus, Theory, and Applications", <u>Journal of Aerosol Science</u> , Vol. 6, January 1, 1975, pp. 443-451.					
	KF	Miller, M. et al., "Serpentine Superlattice: Concept and First Results", <u>Journal of Crystal Growth</u> , Vol. 111, January 1, 1991, pp. 323-327.					
	KG	Bhat, R., et al., "Patterned Quantum Well Heterostructures Grown by OMCVD on Non-Planar Substrates: Applications to Extremely Narrow SQW Lasers", <u>Journal of Crystal Growth</u> , Vol. 93, January 1, 1988, pp. 850-856.					
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	KI	Givargizov, E.I., "Fundamental Aspects of VLS Growth", <u>Journal of Crystal Growth</u> , Vol. 31, January 1, 1975, pp. 20-30.					
	KJ	Derycke, V., et al., "Carbon Nanotube Inter- and Intramolecular Logic Gates", <u>Nano Letters</u> , Vol. 1, No. 9, August 26, 2001, pp. 453-456.					
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	LB						
<b>OTHER</b> (including author, title, date, pertinent pages, etc.)							
	LC	Iijima, S., "Helical microtubules of graphitic carbon", <u>Nature</u> , Vol. 354, November 7, 1991, pp. 56-58.					
	LD	Yao, Z., et al., "Carbon Nanotube Intramolecular Junctions", <u>Nature</u> , Vol. 402, November 18, 1999, pp. 273-276.					
	LE	Bennett, C., et al., "Quantum information and computation", <u>Nature</u> , Vol. 404, March 16, 2000, pp. 247-255.					
	LF	Michler, P. et al., "Quantum correlation among photons from a single quantum dot at room temperature", <u>Nature</u> , Vol. 406, No. 6799, August 31, 2000, pp. 968-970.					
	LG	Chow, E., et al., "Three-dimensional control of light in a two-dimensional photonic crystal slab", <u>Nature</u> , Vol. 407, October 26, 2000, pp. 983-986.					
	LH	Venkatasubramanian, R., et al., "Thin-Film Thermoelectric Devices with High Room-Temperature Figures of Merit", <u>Nature</u> , Vol. 413, October 11, 2003, pp. 597-602.					
	LI	Bachtold, A., et al., "Scanned probe microscopy of electronic transport in carbon nanotubes", <u>Phys. Rev. Lett.</u> , Vol. 84, No. 26, June 26, 2000, pp. 6082-6085.					
	LJ	Hicks, L.D. et al., "Thermoelectric Figure of Merit of a One-Dimensional Conductor", <u>Phys. Rev. B</u> , Vol. 47, No. 24, June 15, 1993, pp. 16631-16634.					
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MC	Itskevich, I.E., et al., "Resonant magnetotunneling through individual self-assembled InAs quantum dots", <u>Physical Review B</u> , Vol. 54, No. 23, December 15, 1996, pp. 16401-16404.
MD	Reed, M.A., et al., "Observation of Discrete Electronic States in a Zero-Dimensional Semiconductor Nanostructure", <u>Physical Review Letters</u> , Vol. 60, No. 6, February 8, 1988, pp. 535-537.
ME	Kapon, E., et al., "Stimulated Emission in Semiconductor Quantum Wire Heterostructures", <u>Physical Review Letters</u> , Vol. 63, No. 4, July 24, 1989, pp. 430-433.
MF	Santori, C., et al., "Triggered Single Photons from a Quantum Dot", <u>Physical Review Letters</u> , Vol. 86, No. 8, February 19, 2001, pp. 1502-1505.
MG	Capasso, F., et al., "Quantum Cascade Lasers", <u>Physics Today</u> , May 1, 2002, pp. 34-40.
MH	Likharev, K.K., "Single-Electron Devices and their Applications", <u>Proceedings of the IEEE</u> , Vol. 87, No. 4, April 1, 1999, pp. 606-632.
MI	Han, W., et al., "Synthesis of Gallium Nitride Nanorods Through a Carbon Nanotube-Confined Reaction", <u>Science</u> , Vol. 277, August 29, 1997, pp. 1287-1289.
MJ	Zhang, Y., et al., "Heterostructures of Single-Walled Carbon Nanotubes and Carbide Nanorods", <u>Science</u> , Vol. 285, September 10, 1999, pp. 1719-1722.
MK	

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	NC	Holmes, J., et al., "Control of Thickness and Orientation of Solution-Grown Silicon Nanowires", <u>Science</u> , Vol. 287, February 25, 2000, pp. 1471-1473.					
	ND	Zhou, C.W., et al., "Modulated chemical doping of individual carbon nanotubes", <u>Science</u> , Vol. 290, November 24, 2000, pp. 1552-1555.					
	NE	Favier, F., et al., "Hydrogen Sensors and Switches from Electrodeposited Palladium Mesowire Arrays", <u>Science</u> , Vol. 293, September 21, 2001, pp. 2227-2231.					
	NF	Bachtold, A., et al., "Logic circuits with carbon nanotube transistors", <u>Science</u> , Vol. 294, November 9, 2001, pp. 1317-1320.					
	NG	Nicewarner-Pena, S.R., et al., "Submicrometer metallic barcodes", <u>Science</u> , Vol. 294, October 5, 2001, pp. 137-141.					
	NH	Service, R.F., "Nanowire Fabricators Earn Their Stripes", <u>Science</u> , Vol. 295, No. 5557, January 1, 2002, pp. 946-947.					
	NI	Awschalom, D.D. et al., "Spintronics", <u>Scientific American</u> , Vol. 286, No. 6, June 1, 2002, pp. 66-73.					
	NJ	Henning, P., et al., "Compositional information from amorphous Si-Ge multilayers using high-resolution electron microscopy imaging and direct digital recording", <u>Ultramicroscopy</u> , Vol. 66, January 1, 1996, pp. 221-235.					
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	OB						
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	OC	Wagner, R.S., "VLS Mechanism of Crystal Growth", <u>Whisker Technology</u> , A.P. Levitt, ed., Chapter 3, January 1, 1970, pp. 47-119.					
	OD	Alferov, Z., et al., "For developing semiconductor heterostructures used in high-speed-and opto-electronics", <u>www.nobel.se.physics/laureates/2000/</u> , November 23, 2000.					
	OE	von Klitzing, K., "for the discovery of the quantized Hall effect", <u>www.nobel.se/physics/laureates/1985/</u> , June 16, 2000.					
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	PC	Kempa, K., et al., "Photonic Crystals Based on Periodic Arrays of Aligned Carbon Nanotubes", <u>Nano Letters</u> , Vol. 3, No. 1, November 19, 2002, pp. 13-18.					
	PD	Takahashi, H., et al., "Formation and Characteristics of 100 nm Scale GaAs Quantum Wires by Selective Area MOVPE", <u>Applied Surface Science</u> , No. 216, January 1, 2003, pp. 402-406.					
	PE	Akabori, M., et al., "InGaAs Nano-Pillar Array Formation on Partially Masked InP(111)B by Selective Area Metal-Organic Vapour Phase Epitaxial Growth for Two-Dimensional Photonic Crystal Application", <u>Nanotechnology</u> , No. 14, August 27, 2003, pp. 1071-1074.					
	PF	Kamins, T.I., et al., "Self-Assembled Silicon Nanowires for Integrating Microsystems, Nanoelectronics and Microelectronics", <u>mstnews</u> , 3/03, March 1, 2003.					
	PG	Wu, Y., et al., "Rational Synthesis of Inorganic Nanowires", <u>Abstracts of Papers in the Amer. Chem. Soc.</u> , Vol. 221, April 1, 2001, pp. 108-lec Part 1.					
	PH	Yang, P., et al., "Nanowires from Vapor Condensation and their Assemblies", <u>Abstracts of Papers in the Amer. Chem. Soc.</u> , Vol. 219, March 26, 2000, pp. 269-Inor Part 1.					
	PI	Huang, M., et al., "Nanowire Array as Potential 2-d Photonic Bandgap Materials", <u>Abstracts of Papers in the Amer. Chem. Soc.</u> , Vol. 221, April 1, 2001, pp. 95-Phys Part 2.					
	PJ	Yang, P., et al., "Inorganic Nanowires: Rational Synthesis, Functional Assemblies and Novel Properties", <u>Abstracts of Papers in the Amer. Chem. Soc.</u> , Vol. 223, April 7, 2002, pp. 343-Inor Part 2.					
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	QB						
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	QC	Gates, B., et al., "Synthesis and Characterization of Crystalline Ag <sub>2</sub> Se Nanowires through a Template-Engaged Reaction at Room Temperature", <u>Advanced Fun. Materials</u> , Vol. 12, No. 10, October 1, 2002, pp. 679-686.					
	QD	Yang, P., et al., "Controlled Growth of ZnO Nanowires and their Optical Properties", <u>Advanced Functional Materials</u> , Vol. 12, No. 5, May 2002, pp. 323-331.					
	QE	Wu, Y., et al., "Superconducting MgB <sub>2</sub> Nanowires", <u>Advanced Materials</u> , Vol. 13, No. 19, October 2, 2001, pp. 1487-1489.					
	QF	Huang, M., et al., "Catalytic Growth of Zinc Oxide Nanowires by Vapor Transport", <u>Advanced Materials</u> , Vol. 13, No. 2, January 16, 2001, pp. 113-116.					
	QG	Wu, Y., et al., "Melting and Welding Semiconductor Nanowires in Nanotubes", <u>Advanced Materials</u> , Vol. 13, no. 7, April 4, 2001, pp. 520-523.					
	QH	Zheng, B., et al., "Synthesis of Ultra-Long and Highly Oriented Silicon Oxide Nanowires from Liquid Alloys", <u>Advanced Materials</u> , Vol. 14, No. 2, January 16, 2002, pp. 122-124.					
	QI	Kind, H., et al., "Nanowire Ultraviolet Photodetectors and Optical Switches", <u>Advanced Materials</u> , Vol. 14, No. 2, January 16, 2002, pp. 158-160.					
	QJ	Xia, Y., et al., "Chemistry and Physics of Nanowires", <u>Advanced Materials</u> , Vol. 15, No. 5, March 4, 2003, pp. 351-352.					
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	RB						
<b>OTHER</b> (including author, title, date, pertinent pages, etc.)							
	RC	Xia, Y., et al., "One-Dimensional Nanostructures: Synthesis, Characterization, and Applications", <u>Advanced Materials</u> , Vol. 15, No. 5, March 4, 2003, pp. 353-389.					
	RD	Yan, H., et al., "Morphogenesis of One-Dimensional ZnO Nano- and Microcrystals", <u>Advanced Materials</u> , Vol. 15, No. 5, March 4, 2003, pp 402-405.					
	RE	Wu, Y., et al., "Germanium/Carbon Core-Sheath Nanostructures", <u>Applied Physics Letters</u> , Vol. 77, No. 1, July 3, 2000, pp. 43-45.					
	RF	Wu, Y., et al., "Inorganic Semiconductor Nanowires: Rational Growth, Assembly, and Novel Properties", <u>Chemistry-A European Journal</u> , Vol. 8, No. 6, March 15, 2002, pp. 1261-1268.					
	RG	Yang, P., et al., "Langmuir-Blodgett Assembly of One-Dimensional Nanostructures", <u>Chemphyschem</u> , Vol. 3, No. 6, June 17, 2002, pp. 503-506.					
	RH	Wu, Y., et al., "Direct Observation of Vapor-Liquid-Solid Nanowire Growth", <u>J. Am. Chem. Soc.</u> , Vol. 123, March 13, 2001, p. 3165-3166.					
	RI	Yan, H., et al., "Dendritic Nanowire Ultraviolet Laser Array", <u>J. Am. Chem. Soc.</u> , Vol. 125, No. 16, March 29, 2003, pp. 4728-4729.					
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	SB						
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	SC	<b>Johnson, J., et al., "Single Nanowire Lasers", <u>Journal of Physical Chemistry B</u>, Vol. 105, No. 46, October 23, 2001, pp. 11387-11390.</b>					
	SD	<b>Messer, B., et al., "Microchannel Networks for Nanowire Patterning", <u>Journal of the Amer. Chem. Soc.</u>, Vol. 122, No. 41, September 29, 2000, pp. 10232-10233.</b>					
	SE	<b>Song, J., et al., "MMo<sub>3</sub>Se<sub>2</sub> (M=Li<sup>+</sup>, Na<sup>+</sup>, Rb<sup>+</sup>, Cs<sup>+</sup>, NMe<sub>4</sub><sup>+</sup>) Nanowire Formation via Cation Exchange in Organic Solution", <u>Journal of the Amer. Chem. Soc.</u>, Vol. 123, No. 39, March 10, 2001, pp. 9714-9715.</b>					
	SF	<b>Li, Y., et al., "Bismuth Nanotubes: A Rational Low-Temperature Synthetic Route", <u>Journal of the Amer. Chem. Soc.</u>, Vol. 123, No. 40, September 14, 2001, pp. 9904-9905.</b>					
	SG	<b>Song, J., et al., "Metal Nanowire Formation Using Mo<sub>3</sub>Se<sub>2</sub>-as Reducing and Sacrificing Templates", <u>Journal of the Amer. Chem. Soc.</u>, Vol. 123, no. 42, September 26, 2001, pp. 10397-10398.</b>					
	SH	<b>Gates, B., et al., "Single-Crystalline Nanowires of Ag<sub>2</sub>Se Can Be Synthesized by Templating Against Nanowires of Trigonal Se", <u>Journal of the Amer. Chem. Soc.</u>, Vol. 123, No. 46, October 25, 2001, pp. 11500-11501.</b>					
	SI	<b>Wu, Y., et al., "Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires", <u>Nano Letters</u>, Vol. 2, No. 2, January 19, 2002, pp. 83-86.</b>					
	SJ	<b>Johnson, J., et al., "Near-Field Imaging of Nonlinear Optical Mixing in Single Zinc Oxide Nanowires", <u>Nano Letters</u>, Vol. 2, No. 4, April 1, 2002, pp. 279-283.</b>					
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	TC	<b>Johnson, J., et al., "Single Gallium Nitride Nanowire Lasers", <u>Nature Materials</u>, Vol. 1, No. 2, September 15, 2002, pp. 106-110.</b>					
	TD	<b>Huang, M.H., et al., "Room-Temperature Ultraviolet Nanowire Nanolasers", <u>Science</u>, Vol. 292, June 8, 2001, pp. 1897-1899.</b>					
	TE	<b>Wu, Y., et al., "Germanium Nanowire Growth via Sample Vapor Transport", <u>Chem. Mater.</u>, Vol. 12, March 20, 2000, pp. 605-607.</b>					
	TF	<b>Wu, Y., et al., "Semiconductor Nanowire Array: Potential Substrates for Photocatalysis and Photovoltaics", <u>Topics in Catalysis</u>, Vol. 19, No. 2, April 1, 2002, pp. 197-202.</b>					
	TG	<b>Hiruma, K. et al., "GaAs free-standing quantum-size wires", <u>Journal of Applied Physics</u>, Vol. 74, September 1, 1993, pp. 3162-3171.</b>					
	TH	<b>Liu J. L. et al., "Gas-source MBE growth of freestanding Si nanowires on Au/Si substrate", <u>Superlattices Microstructures</u>, 1999, Vol. 25, No. 1-2, pp. 477-479.</b>					
	TI	<b>Shimada et al., "Size, position and direction control on GaAs and InAs nanowhisker growth", <u>Superlattices and Microstructures</u>, Vol. 24, No. 6, December 1998, pp. 453-458</b>					
	TJ	<b>Shirai M., et al., "Gold cluster formation using an atomic force microscope and its applications to GaAs whisker growth", <u>Superlattices and Microstructures</u>, Vol. 24, No. 2, August 1998, pp. 157-162.</b>					
	TK	<b>Hiruma, K. et al., "GaAs and InAs Nanowire Growth Technology", <u>Proceedings of the Science and Technology of Atomically Engineered Materials</u>, October 30, 1995, pp. 563-570</b>					
	TL	<b>Westwater, J. et al., "Control of the size and position of silicon nanowires grown via the vapor-liquid-solid technique", <u>Japanese Journal of Applied Physics</u>, Part 1, October 1997, Vol. 36, pp. 6204-6209</b>					
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	UA	2003/0200521	10/23/03	DeHon et al.	716	16	
	UB	5,544,617	8/13/96	Terui et al.	117	87	
	UC	5,858,862	1/12/99	Westwater et al.	438	503	
	UD	5,976,957	11/2/99	Westwater et al.	438	478	
	UE	6,130,142	10/10/00	Westwater et al.	438	478	
	UF	6,130,143	10/10/00	Westwater et al.	438	478	
	UG	2003/0121764	7/3/03	Yang et al.	200	262	
	UH	2002/0129761	9/19/02	Takami	117	73	
	UI	2002/0172820	11/21/02	Majumdar et al.	428	357	
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Examiner Initial		Document Number	Date	Country	Class	Sub-class	Translation
	UJ	1 342 075	9/10/03	Europe			yes
	UK	1 314 189	5/28/03	Europe			yes
	UL	03/053851	7/3/03	WIPO			
	UM	2004/038767	5/6/04	WIPO			
	UM	2004/010552	1/29/04	WIPO			
	UN	03/063208	7/31/03	WIPO			
	UO	0 443 920	8/28/91	Europe			abstract
	UP	2000-068493	3/3/00	Japan			abstract
	UQ	0 838 865	4/29/98	Europe			
<b>OTHER</b> (including author, title, date, pertinent pages, etc.)							
	UR	O'Regan et al., "A Low-Cost, High-Efficiency Solar Cell Based on Dye-Sensitized Colloidal TiO <sub>2</sub> Films", <u>Nature</u> , Vol. 353, October 24, 1991, pp. 737-740.					
	US	Jun et al., "Architectural Control of Magnetic Semiconductor Nanocrystals", <u>J. Am. Chem Soc.</u> , Vol. 124, No. 4, January 4, 2002, pp. 615-619.					
	UT	Manna et al., "Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals", <u>J. Am. Chem. Soc.</u> , Vol. 122, No. 51, December 1, 2000, pp. 12700-12706.					
	UU	Huang et al., "Directed Assembly of one-dimensional nanostructures into functional networks", <u>Science</u> , Vol. 291, January 26, 2001, pp. 630-633.					
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	VA	5,899,734	5/4/99	Lee	438	584	
	VB	2002/0175408	11/28/02	Majumdar et al.	257	734	
	VC	6,559,468	5/6/03	Kuekes et al.	257	14	
	VD	2002/0130311	9/19/02	Lieber et al.	257	1	
	VE	2003/0089899	5/15/03	Lieber et al.	257	9	
	VF	2004/0213307	10/28/04	Leiber et al.	372	39	
	VG						
	VH						
	VI						

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	VP						

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	VQ	Persson, "Heterointerfaces in III-V semiconductor nanowhiskers", <u>IEEE</u> , 2002, pp. 281-293.
	VR	Gao et al., "Self-Assembled Nanowire-Nanoribbon Junction Arrays of ZnO", <u>The Journal of Physical Chemistry</u> , Vol. 106, No. 49, November 12, 2002, pp. 12653-12658.
	VS	Yan et al., "Dendritic Nanowire Ultraviolet Laser Array", <u>J. Am. Chem. Soc.</u> , Vol. 125, March 29, 2003, pp. 4728-4729.
	VT	Jun et al., "Controlled Synthesis of Multi-Armed CdS Nanorod Architectures Using Monosurfactant System", <u>J. Am. Chem. Soc.</u> , Vol. 123, May 5, 2001, pp. 5150-5151.
	VU	Poole et al., "Spatially Controlled, Nanoparticle-Free Growth of InP Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 10, September 8, 2002, pp. 2055-2057.

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	WE						
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	WF	Hiruma et al., "Quantum Size Microcrystals Grown Using Organometallic Vapor Phase Epitaxy", <u>Appl. Phys. Lett.</u> , Vol. 59, No. 4, July 22, 1991, pp. 431-433.					
	WG	Xia et al., "One-Dimensional Nanostructures: Synthesis, Characterization, and Applications", <u>Adv. Mater.</u> , Vol. 15, No. 5, March 4, 2003, pp. 353-389.					
	WH	Ozaki et al., "Silicon Nanowhiskers Grown on a Hydrogen-Terminated Silicon {111} Surface", <u>Applied Physics Letters</u> , Vol. 73, No. 25, December 21, 1998, pp. 3700-3702.					
	WI	Wu et al., "Growth, Branching, and Kinking of Molecular-Beam Epitaxial <110> GaAs Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 16, October 20, 2003, pp. 3368-3370.					
	WJ	Grätzel, "Photoelectrochemical Cells", <u>Nature</u> , Vol. 414, November 15, 2001, pp. 338-344.					
	WK	Wang et al., "Nanocrystals Branch Out", <u>Nature Materials</u> , Vol. 2, June 2003, pp. 355-356.					
	WL	Manna et al., "Controlled Growth of Tetrapod-Branched Inorganic Nanocrystals", <u>Nature Materials</u> , Vol. 2, June 2003, pp. 382-385.					
	WM						
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	XE						
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	XF	Oda et al., "Natural Formation of Square Scale Structures on Patterned Vicinal Substrates by MOVPE: Application to the Fabrication of Quantum Structures", <u>Inst. Phys. Conf. Ser.</u> , No. 166, Chapter 4, August 22, 1999, pp. 191-194.					
	XG	Hayakawa et al., "AlGaAs Nano-Meter Scale Network Structures Fabricated by Selective Area MOVPE", <u>Inst. Phys. Conf. Ser.</u> , No. 162, Chapter 8, October 12, 1998, pp. 415-419.					
	XH	Akabori et al., "Selective Area MOVPE Growth of Two-Dimensional Photonic Crystals Having an Air-Hole Array and its Application to Air-Bridge-Type Structures", <u>Physica E</u> , No. 13, 2002, pp. 446-450.					
	XI	Melechko et al., "Large-Scale Synthesis of Arrays of High-Aspect-Ratio Ridig Vertically Aligned Carbon Nanofibres", <u>Nanotechnology</u> , No. 14, August 19, 2003, pp. 1029-1035.					
	XJ	Kempa et al., "Photonic Crystals Based on Periodic Arrays of Aligned Cabon Nanotubes", <u>Nano Letters</u> , Vol. 3, No. 1, November 19, 2002, pp. 13-18.					
	XK	Akabori et al., "InGaAs Nano-Pillar Array Formation on Partially Masked InP(111)B by Selective Area Metal-Organic Vapour Phase Epitaxial Growth for Two-Dimensional Photonic Crystal Application", <u>Nanotechnology</u> , No. 14, August 27, 2003, pp. 1071-1074.					
	XL	Zhong et al., "Nanowire Crossbar Arrays as Address Decoders for Integrated Nanosystems" <u>Science</u> , Vol. 302, November 21, 2003, pp. 1377-1379.					
	XM	McAlpine et al., "High-Performance Nanowire Electronics and Photonics on Glass and Plastic Substrates", <u>Nano Letters</u> , Vol. 3, No. 11, October 14, 2003, pp. 1531-1535.					
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	YF						
<b>OTHER</b> (including author, title, date, pertinent pages, etc.)							
	YG	Whang et al., "Large-Scale Hierarchical Organization of Nanowire Arrays for Integrated Nanosystems", <u>Nano Letters</u> , Vol. 3, No. 9, August 5, 2003, pp. 1255-1259.					
	YH	McAlpine et al., "Nanoimprint Lithography for Hybrid Plastic Electronics", <u>Nano Letters</u> , Vol. 3, No. 4, March 7, 2003, pp. 443-445.					
	YI	Bozovic et al., "Plastic Deformation in Mechanically Strained Single-Walled Carbon Nanotubes", <u>Physical Review B</u> , Vol. 67, January 22, 2003, pp. 033407-1 - 033407-4.					
	YJ	Hahm et al., "Direct Ultrasensitive Electrical Detection of DNA and DNA Sequence Variations Using Nanowire Nanosensors", <u>Nano Letters</u> , Vol. 4, No. 1, December 9, 2003, pp. 51-54.					
	YK	Lieber, "Nanoscale Science and Technology: Building a Big Future from Small Things", <u>MRS Bulletin</u> , July 2003, pp. 486-491.					
	YL	Yu et al., "Silicon Nanowires: Preparation, Device Fabrication, and Transport Properties", <u>J. Phys. Chem. B</u> , Vol. 104, No. 50, November 23, 2000, pp. 11864-11870.					
	YM	Law et al., "Photochemical Sensing of NO <sub>2</sub> with SnO <sub>2</sub> Nanoribbon Nanosensors at Room Temperature", <u>Angew. Chem. Int. Ed.</u> , Vol. 41, No. 13, 2002, pp. 2405-2408.					
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	ZF	Lao et al., "Hierarchical ZnO Nanostructures", <u>Nano Letters</u> , Vol. 2, September 13, 2002, pp 1287-1291.					
	ZG	Barrelet et al., "Synthesis of CdS and ZnS Nanowires Using Single-Source Molecular Precursors", <u>J. Am. Chem. Soc.</u> , Vol. 125, 2003, pp. 11498-11499.					
	ZH						
	ZI	Hornstra, "Dislocations in the Diamond Lattice", <u>J. Phys. Chem. Solids</u> , Vol. 5, 1958, pp. 129-141.					
	ZJ	Krost et al., "InP on Si(111): Accommodation of Lattice Mismatch and Structural Properties", <u>Appl. Phys. Lett.</u> , Vol. 64, No. 7, February 7, 1994, pp. 769-771.					
	ZK	Gorbach et al., "Growth of III-V Semiconductor Layers on Si Patterned Substrates", <u>Thin Solid Films</u> , Vol. 336, 1998, pp. 63-68.					
	ZL	Ohlsson et al., "Anti-Domain-Free GaP, Grown in Atomically Flat (001) Si Sub- $\mu$ m-sized Openings", <u>Applied Physics Letters</u> , Vol. 80, No. 24, June 17, 2002, pp. 4546-4548.					
	ZM	Kawanami, "Heteroepitaxial Technologies of III-V on Si", <u>Solar Energy Materials &amp; Solar Cells</u> , Vol. 66, 2001, pp. 479-486.					
	ZN	Westwater et al., "Growth of Silicon Nanowires Via Gold/Silane Vapor-Liquid-Solid Reaction", <u>J. Vac. Sci. Technol. B.</u> , Vol. 15, No. 3, 1997, pp. 554-557.					
	ZO	Kamins et al., "Ti-Catalyzed Si Nanowires by Chemical Vapor Deposition: Microscopy and Growth Mechanisms", <u>Journal of Applied Physics</u> , Vol. 89, No. 2, January 15, 2001, pp. 1008-1016.					
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<b>INFORMATION DISCLOSURE STATEMENT</b>				<b>A-9903</b>		<b>10/751,943</b>	
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b>							
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	AAA						
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<b>FOREIGN PATENT DOCUMENTS</b>							
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	AAE						
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	AAF						
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	AAH	Borgstrom et al., "Size- and Shape-Controlled GaAs Nano-Whiskers Grown by MOVPE: A Growth Study", <u>Journal of Crystal Growth</u> , Vol. 260, 2004, pp. 18-22.					
	AAI	Westwater et al., "Si Nanowires Grown Via the Vapour-Liquid-Solid Reaction", <u>Phys. Stat. Sol.</u> , Vol. (a)165, 1998, pp. 37-42.					
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	AAK	Westwater et al., "Nanoscale Silicon Whiskers Formed by Silane/Gold Reaction at 335°C", <u>Materials Letters</u> , Vol. 24, June 1995, pp. 109-112.					
	AAL	Yang, "Semiconductor Nanowire Array", <u>Proceedings of the SPIE</u> , Vol. 4806, 2002, pp. 222-224.					
	AAM	Abramson et al., "Nanowire Composite Thermoelectric Devices", <u>Proceedings of IMECE2002, ASME International Mechanical Engineering Congress &amp; Exposition</u> , November 17-22, 2002, pp. 7-11.					
	AAN	Johnson et al., "Single Nanowire Waveguides and Lasers", <u>Proceedings of SPIE</u> , Vol. 5223, 2003, pp. 187-196.					
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	BBC						
	BBD						

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	BBG	Kim et al., "Nanowire Arrays for Thermoelectric Devices", <u>Proceedings of HT2003, ASME Summer Heat Transfer Conference</u> , July 21-23, 2003, pp. 101-104.					
	BBH	Choi et al., "Self-Organized GaN Quantum Wire UV Lasers", <u>J. Phys. Chem. B.</u> , Vol. 107, 2003, pp. 8721-8725.					
	BBI	Yang, "From Nanowire Lasers to Quantum Wire Lasers", <u>Proceedings of SPIE</u> , Vol. 5349, 2004, pp. 18-23.					
	BBJ	Samuelson et al., "Semiconductor Nanowires for Novel One-Dimensional Devices", <u>Physica E</u> , Vol. 21, 2004, pp. 560-567.					
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	BBL	Samuelson et al., "Fabrication and Spectroscopic Studies of InP/GaInAs/InP and GaAs/GaInAs/GaAs Quantum-Well Wire Structures", <u>Inst. Phys. Confer. Ser.</u> No. 127, Chapter 3, January 1, 1992, pp. 95-98.					
	BBM	Samuelson et al., "Fabrication and Imaging of Quantum Well Wire Structures", <u>SPIE</u> , Vol. 1676, 1992, pp. 154-160.					
	BBN	Larsson et al., "Probing of Individual Semiconductor Nanowhiskers by TEM-STM", <u>Microscopy and Microanalysis</u> , Vol. 10, 2004, pp. 41-46.					
	BBO	Ramvall et al., "Quantized Conductance in a Heterostructurally Defined Ga <sub>0.35</sub> In <sub>0.65</sub> As/InP", <u>Appl. Phys. Lett.</u> , Vol. 71, August 18, 1997, pp. 918-920.					

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	CCA						
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	CCE						
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	CCK	Larsson et al, "In-Situ Manipulations and Electrical Measurements of III-V Nanowhiskers with TEM-STM, <u>Proceedings of 7<sup>th</sup> International Conference of Nanometer-Scale Science and Technology and 21<sup>st</sup> European Conference on Surface Science</u> , June 24, 2002.					
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	DDE						
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	DDM						
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